

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
187718/US-475387-245

Serial No.
09/709,162

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)**

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
November 10, 2000

Confirmation No.
3219

U.S. PATENT DOCUMENTS

*Exam. Init.		Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
		5	5	6	5	9	8	6	October 15, 1996	Knuttel*			
	2005	0	0	4	6	8	3	7	March 3, 2005	Izumi et al**			
		6	5	3	8	8	1	7	March 25, 2003	Farmer et al***			
		6	5	0	1	5	5	1	December 31, 2002	Tearney et al***			
	2006	0	1	0	3	8	5	0	May 18, 2006	Alphonse et al***			
		6	0	4	5	5	1	1	April 4, 2000	Lutz et al*****1			
	2004	0	1	5	2	9	8	9	August 5, 2004	Puttappa et al*****			
		5	2	1	2	6	6	7	May 18, 1993	Tomlinson et al. *****			
	2004	0	1	2	6	0	4	8	July 1, 2004	Dave et al*****			
		6	7	3	8	1	4	4	May 18, 2004	Dogariu et al*****			
	2006	0	2	4	4	9	7	3	November 2, 2006	Yun et al*****			
		5	7	4	8	3	1	8	May 5, 1998	Maris et al*****			
		5	0	8	5	4	9	6	February 4, 1992	Yoshida et al *****			
		6	4	4	5	4	8	5	September 3, 2002	Frigo et al*****			
		5	6	3	5	8	3	0	June 3, 1997	Itoh *****			
		5	1	2	1	9	8	3	June 16, 1992	Lee*****			
		4	9	0	9	6	3	1	March 20, 1990	Tan et al*****			
		4	8	9	0	9	0	1	January 2, 1990	Cross Jr. *****			
		5	3	1	7	3	8	9	May 31, 1994	Hochberg et al*****			
		6	8	3	9	4	9	6	January 4, 2005	Mills et al*****			
		4	1	4	0	3	6	4	February 20, 1979	Yamashita et al OE			
		5	9	1	2	7	6	4	June 15, 1999	Togino OE			

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.K./

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		3	0	9	0	7	5	3	May 21, 1963	Matuszak et al CE			
200	5	0	3	5	2	9	5		February 17, 2005	Bouma et al CECE			
	3	8	7	2	4	0	7		March 18, 1975	Hughes CECE			
	4	7	5	1	7	0	6		June 14, 1988	Rohde et al CECE			
	4	2	2	4	9	2	9		September 30, 1980	Furihata CECECE			
	4	6	5	0	3	2	7		March 17, 1987	Ogi CECECE			
	4	7	4	4	6	5	6		May 17, 1988	Moran et al CECECE			
	5	6	4	9	9	2	4		July 22, 1997	Everett et al CECECE			
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	6	7	0	1	1	8	1		March 2, 2004	Tang et al CECECE			
	6	9	4	9	0	7	2		September 27, 2005	Furnish et al CECECE			
	7	1	9	0	4	6	4		March 13, 2007	Alphonse CECECE			
	7	2	4	2	4	8	0		July 10, 2007	Alphonse CECECE			
200	4	0	5	4	2	6	8		March 18, 2004	Esenaliev et al CECECECE			
200	4	0	7	7	9	4	9		April 22, 2004	Blofgett et al CECECECE			
2002	0	1	4	0	9	4	2		October 3, 2002	Fee et al CECECE			

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		5	2	1	4	5	3	8	May 25, 1993	Lobb CECECECE			
		6	2	9	7	0	1	8	October 2, 2001	French et al. CECECECE			
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2003	0	1	0	8	9	1	1		June 12, 2003	Klimant et al CECECECE			
2002	0	1	5	8	2	1	1		October 31, 2002	Gillispie CECECECE			
	5	9	5	5	7	3	7		September 21, 1999	Halliday et al CECECECE			
	7	3	6	6	3	7	6		April 29, 2008	Shishkov et al CECECECE			
	7	3	5	9	0	6	2		April 15, 2008	Chen et al CECECECE			
2003	0	2	2	0	7	4	9		November 27, 2003	Chen et al CECECECE			
2004	0	2	3	9	9	3	8		December 2, 2004	Izatt CECECECE			
2005	0	1	7	1	4	3	8		August 4, 2005	Chen et al. CECECECE			
	7	0	6	1	6	2	2		June 13, 2006	Rollins et al. CECECECE			
	5	3	1	8	0	2	4		June 7, 1994	Kittrell et al CECECECE			
2007	0	0	1	9	2	0	8		January 25, 2007	Toida et al CECECECE			
2007	0	2	9	1	2	7	7		December 20, 2007	Everett et al CECECECE			
	7	3	5	5	7	1	6		April 8, 2008	De Boer et al CECECECE			
	7	3	9	1	5	2	0		June 24, 2008	Zhou et al CECECECE			
200	6	1	4	6	3	3	9		July 6, 2006	Fujita et al Ω			
	4	8	3	4	1	1	1		May 30, 1989	Khanna et al. $\Omega\Omega$			
200	4	2	6	3	8	4	3		December 30, 2004	Knopp et al. $\Omega\Omega\Omega$			
	6	0	2	0	9	6	3		February 1, 2000	Dimarzio et al $\Omega\Omega\Omega\Omega$			
	6	3	4	1	0	3	6		January 22, 2002	Tearney et al. $\Omega\Omega\Omega\Omega\Omega$			

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										Guillermo J. Tearney et al.			
										Filing Date	Confirmation No.		
										November 10, 2000	3219		

		6	3	9	6	9	4	1	May 28, 2002	Bacus, James W. et al. ΩΩΩΩΩΩΩ			
	200	5	0	1	8	2	0	1	January 27, 2005	De Boer, Johannes F. Et al ΩΩΩΩΩΩΩ			
		6	5	6	7	5	8	5	May 20, 2003	Martin et al ΩΩΩΩΩΩΩ			
		5	9	2	6	5	9	2	July 20, 1999	Martin et al. ΩΩΩΩΩΩΩ			
		7	2	6	7	4	9	4	September 11, 2007	Hongyu et al. ΩΩΩΩΩΩΩ			
		5	9	7	5	6	9	7	November 2, 1999	Podoleanu et al.			
		5	2	4	1	3	6	4	August 31, 1993	Kimura et al. ΩΩΩΩΩΩΩΩΩΩ			
		5	9	1	0	8	3	9	June 8, 1999	Erskine et al. ΩΩΩΩΩΩΩΩΩΩ			
	200	7	0	7	0	4	9	6	March 29, 2007	Gweon et al. ΩΩΩΩΩΩΩΩΩΩ			
		4	8	2	7	9	0	7	May 9, 1989	Tashiro et al. ΩΩΩΩΩΩΩΩΩΩ			
		4	9	9	8	9	7	2	March 12, 1991	Chin et al. ΩΩΩΩΩΩΩΩΩΩ			
		5	7	3	0	7	3	1	March 24, 1998	Mollenauer et al. ΩΩΩΩΩΩΩΩΩΩ			
	200	3	1	2	0	1	3	7	June 26, 2003	Pawluczyk et al. ¶¶			
	200	2	0	9	1	3	2	2	July 11, 2002	Chaiken et al. ¶¶			
	2005	0	1	6	5	3	0	3	July 28, 2005	Kleen Martin et al. ¶¶			

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	200	2	0	5	2	5	4	7	May 2, 2002	Toida Masahiro XXX			
	200	4	0	0	2	6	5	0	January 1, 2004	Mandrusov Evgenia et al. XXX			
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		5	3	0	4	1	7	3	April 19, 1994	Kittrell, Carter et al. XXX			
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		5	7	8	5	6	5	1	July 28, 1998	Baker et al. XXXXX			
		5	8	1	7	1	4	4	October 6, 1998	Gregory Kenton et al. XXXX			
	2003	0	1	7	4	3	3	9	September 18, 2003	Feldchtein et al.			

FOREIGN PATENT DOCUMENT

		Document No.	Date	Country	Class	SubClass	Translator Yes No

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		9	2	1	6	8	6	5	October 1, 1993	WIPO****				
		0	7	2	8	4	4	0	August 28, 1996	Europe*****				
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200	6	0	0	4	7	4	3		January 12, 2006	WIPOΩΩΩΩΩΩ ΩΩΩΩΩ				
	9	2	0	1	9	6	6		February 6, 1992	WIPO¥				
	6	0	7	3	4	0	5		April 25, 1985	Japan¥				
	5	5	0	9	4	1	7		November 22, 1993	Japan¥				

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										INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	

		2	7	3	8	3	4	3	August 30, 1995	France Y				
200	3	0	6	2	8	0	2		July 31, 2003	WIPO				
200	5	0	4	7	8	1	3		May 26, 2005	WIPO				
	2	2	9	8	0	5	4		August 21, 1996	Great Britain Y Y Y				
200	6	1	2	4	8	6	0		November 23, 2006	WIPO Y Y Y				

*Reference cited in Office Action dated October 1, 2008 for U.S. Patent Application No. 11/955,986

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***References cited in Invitation to Pay Additional Fees dated July 29, 2008 for International Application No. PCT/US2007/081982

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*****References cited in International Search Report and Written Opinion dated July 4, 2008 for International Application No. PCT/US2008/051432

*****References cited in Office Action dated June 30, 2008 for U.S. Patent Application No. 11/670,058

*****References cited in Office Action dated July 7, 2008 for U.S. Patent Application No. 10/551,735

*****References cited in Australian Examiners Report dated May 27, 2008 for Australian Patent Application no 2003210669

*****References cited in Notice of Allowance mailed June 4, 2008 for U.S. patent application no. 11/174,425

CE References cited in European Communication dated May 15, 2008 for European patent application no. 05819917.5

CECE References cited in International Search Report and Written Opinion dated June 10, 2008 for International Application No. PCT/US2008/051335

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CECECECECE References cited in International Search Report and Written Opinion dated May 26, 2008 for International Application No. PCT/US2008/051404

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CECECECECE References cited in Office Action dated September 11, 2008 for U.S. patent application no. 11/624,334

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QQQReference cited in International Search Report and Written Opinion dated August 7, 2008 for International Application No. PCT/US2007/074873

QQQQReference cited in International Search Report and Written Opinion dated February 5, 2007 for International Application No. PCT/US2006/031275

QQQQQReference cited in International Search Report and Written Opinion dated March 23, 2006 for International Application No. PCT/US2005/042408

QQQQQQReference cited in International Search Report and Written Opinion dated February 28, 2007 for International Application No.

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	Filing Date November 10, 2000	Confirmation No. 3219

PCT/US2006/038277

ΩΩΩΩΩΩΩΩReference cited in International Search Report and Written Opinion dated January 30, 2009 for International Application No. PCT/US2008/081834

ΩΩΩΩΩΩΩΩΩΩReference cited in International Search Report and Written Opinion dated February 2, 2009 for International Application No. PCT/US2008/071786

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ΩΩΩΩΩΩΩΩΩΩReference cited in Office Action dated February 17, 2009 for U.S. Patent application no. 11/211,483

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¥¥¥ Reference cited in European Official Communication dated February 12, 2008 for EP 07718117.0

¥¥¥¥ Reference cited in International Search Report and Written Opinion dated June 10, 2009 for PCT/US2008/075456

¥¥¥¥ European Search Report issued May 5, 2009 for European Application no. 01991471.2

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		Liptak David C. et al., (2007) "On the Development of a Confocal Rayleigh-Brillouin Microscope" <i>American Institute of Physics</i> Vol 78, 016106, **
		Copy of Office Action mailed October 1, 2008 for U.S. Patent Application No. 11/955,986
		Copy of Invitation of Pay Additional Fees mailed August 7, 2008 for International Application No. PCT/US2008/062354
		Copy of Invitation of Pay Additional Fees mailed July 20, 2008 for International Application No. PCT/US2007/081982
		Copy of International Search Report and Written Opinion mailed March 7, 2006 for PCT/US2005/035711
		Copy of International Search Report and Written Opinion mailed July 18, 2008 for PCT/US2008/057533
		Aizu, Y et al. (1991) "Bio-Speckle Phenomena and Their Application to the Evaluation of Blood Flow" Optics and Laser Technology, Vol 23, No. 4, August 1, 1991.
		Richards G.J. et al. (1997) "Laser Speckle Contrast Analysis (LASCA): A Technique for Measuring Capillary Blood Flow Using the First Order Statistics of Laser Speckle Patterns" April 2, 1997*****

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		Gonick, Maria M., et al (2002) "Visualization of Blood Microcirculation Parameters in Human Tissues by Time Integrated Dynamic Speckles Analysis" Vol. 972, No. 1, October 1, 2002*****
		Copy of International Search Report and Written Opinion mailed July 4, 2008 for PCT/US2008/051432
		Jonathan, Enock (2005) "Dual Reference Arm Low-Coherence Interferometer-Based Reflectometer For Optical Coherence Tomography (OCT) Application" <i>Optics Communications</i> Vol 252. *****
		Motaghian Nezam, S.M.R. (2007) "increased Ranging Depth in optical Frequency Domain Imaging by Frequency Encoding" <i>Optics Letters</i> , Vol 32, No. 19, October 1, 2007.
		Copy of Office Action dated June 30, 2008 for U.S. Patent Application No. 11/670,058
		Copy of Office Action dated July 7, 2008 for U.S. Patent Application no. 10/551,735
		Copy of Australian Examiner's Report mailed May 27, 2008 for Australian patent application no. 2003210669
		Copy of Notice of Allowance mailed June 4, 2008 for U.S. Patent application no. 11/174,425
		Copy of European communication dated May 15, 2008 for European patent application no. 05819917.5
		Copy of International Search Report and Written Opinion mailed June 10, 2008 for PCT/US2008/051335
		Oh. W.Y. et al (2006) "Ultrahigh-Speed Optical Frequency Domain Imaging and Application to laser Ablation Monitoring" <i>Applied Physics Letters</i> , Vol 88. GE
		Copy of Office Action dated August 21, 2008 for U.S. Patent application no. 11/505,700

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		Sticker, Markus (2002) "En Face Imaging of Single Cell layers by Differential Phase-Contrast Optical Coherence Microscopy" <i>Optics Letters</i> , Vol. 27, No. 13, July 1, 2002
		Copy of International Search Report and Written Opinion dated July 17, 2008 for International Application no PCT/US2008/057450
		Copy of International Search Report and Written Opinion dated August 11, 2008 for International Application no. PCT/US2008/058703
		US National Library of Medicine (NLM), Bethesda, MD, US; October 2007 (2007-10), "Abstracts of the 19 th Annual Symposium of Transcatheter Cardiovascular Therapeutics, October 20-25, 2007, Washington, DC, USA." $\Omega\Omega\Omega\Omega\Omega$
		Copy of International Search Report and Written Opinion dated May 26, 2008 for International Application no PCT/US2008/051404
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.K./

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
187718/US-475387-245

Serial No.
09/709,162

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use several sheets if necessary)**

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
November 10, 2000

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